

ABSTRACT OF THE DISCLOSURE

A simulation method of simulating a behavior of a mechanism using a hybrid model including a state transition model and a continuous system model.

5 The hybrid model is analyzed to extract a first description data of the state transition model and a second description data of the continuous system model. The method includes generating a table representing a relationship between continuous system equations and
10 switching conditions thereof, based on the extracted first description data. The method also includes generating a plurality of internal data expressions of the continuous system equations, based on the extracted second description data.